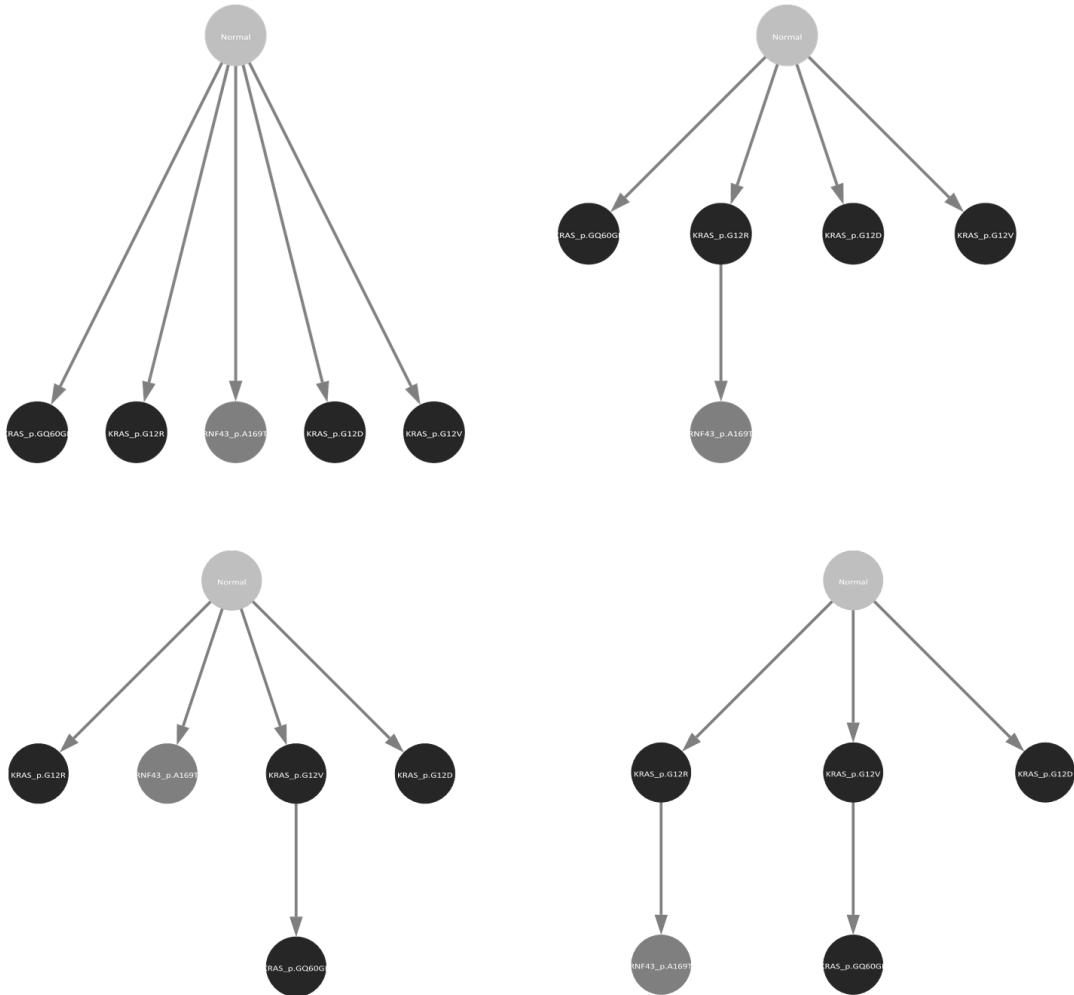
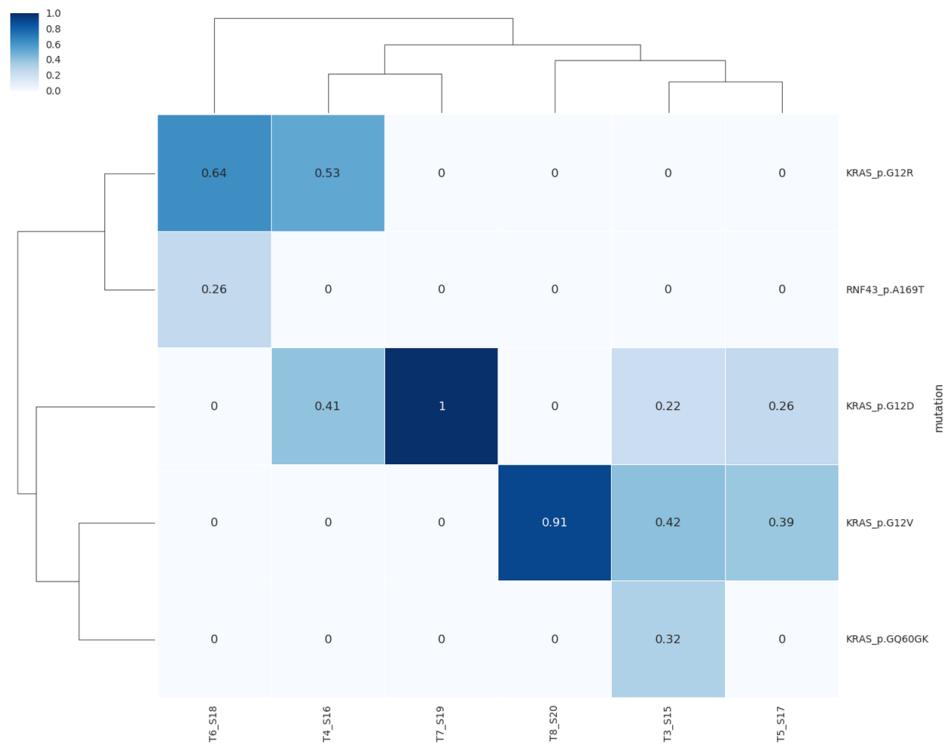
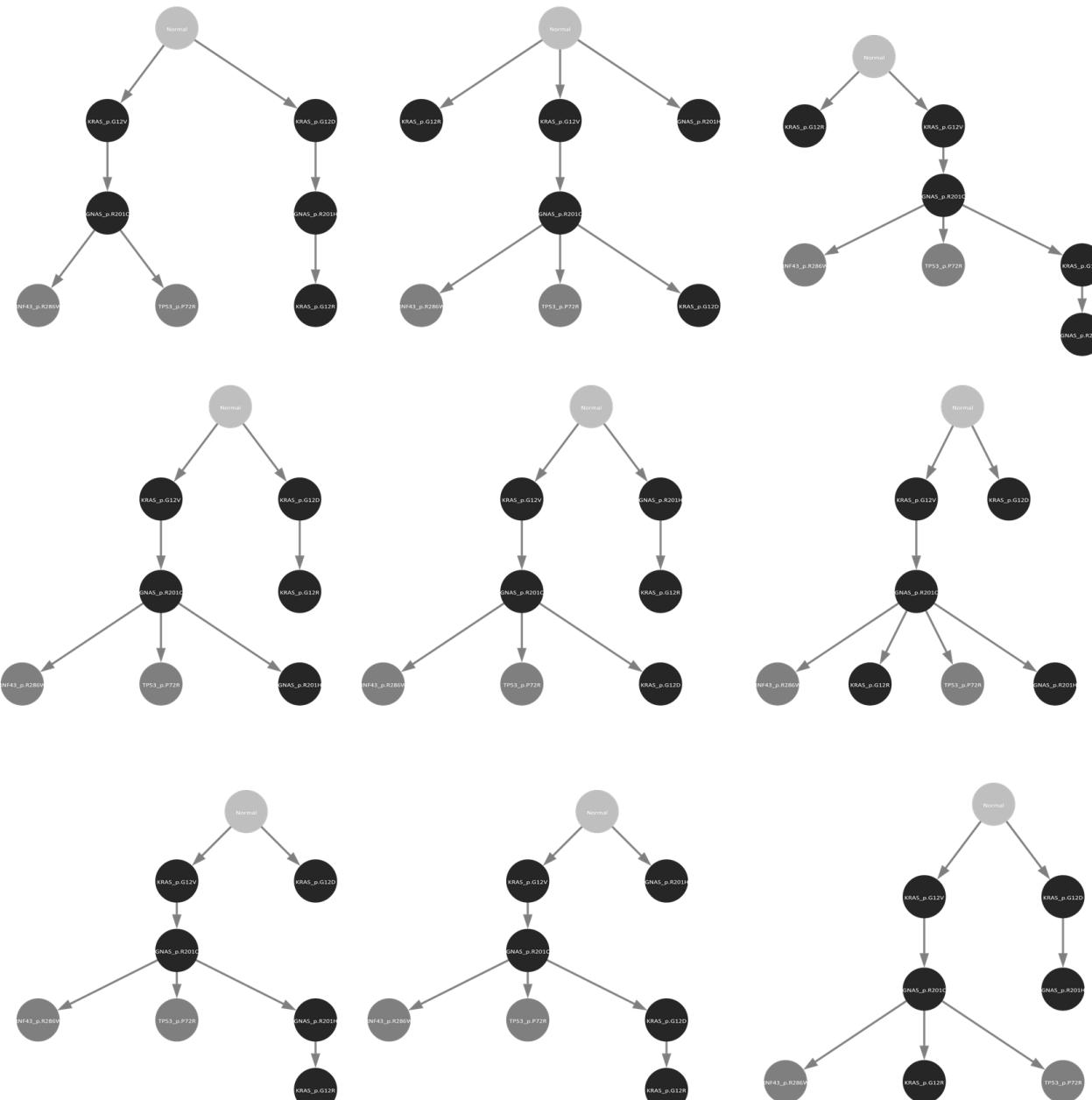
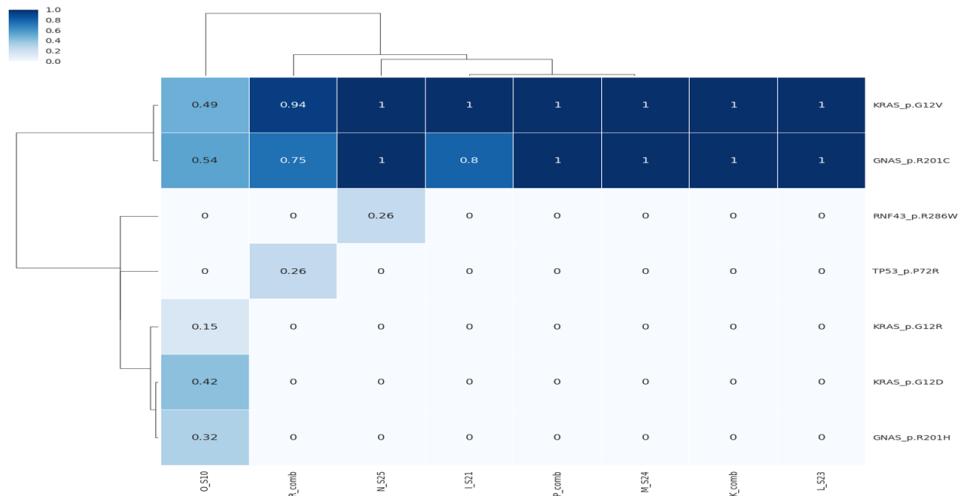
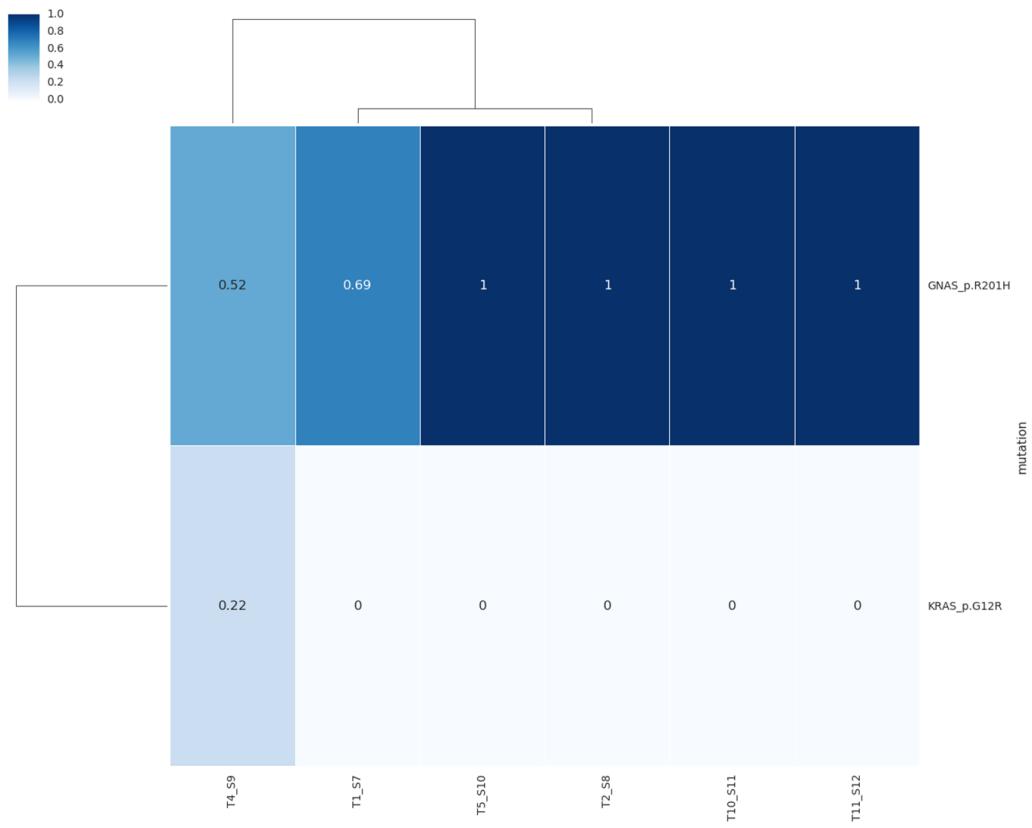
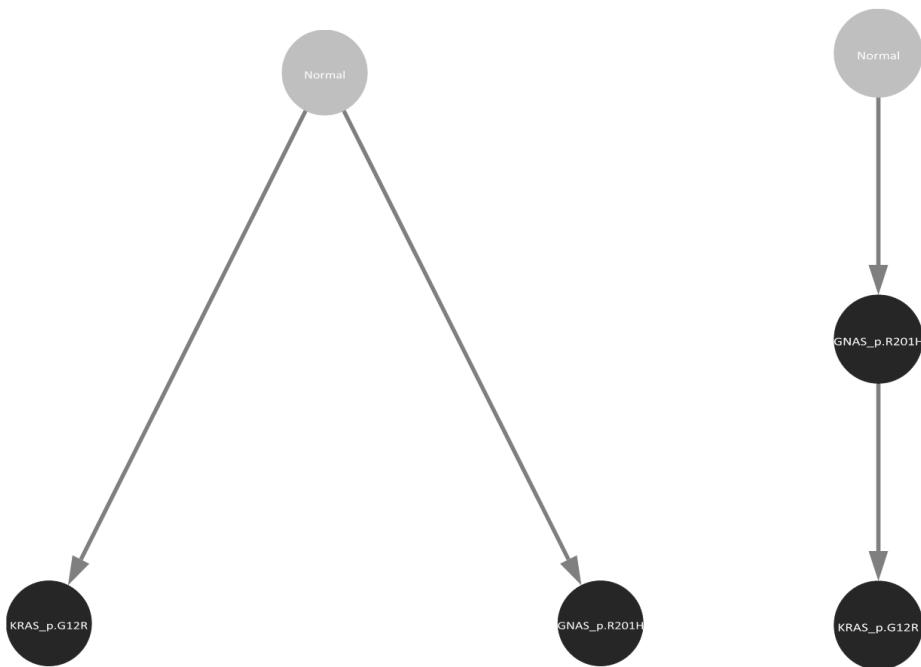


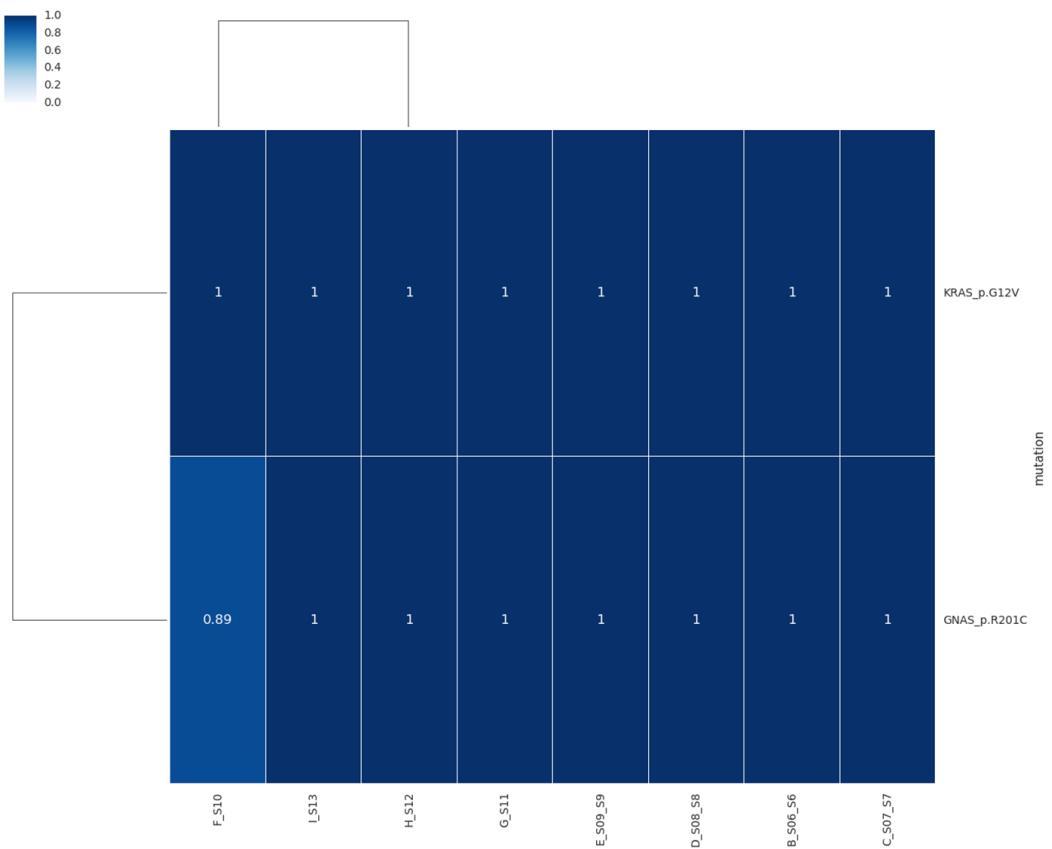
**A**

**B**

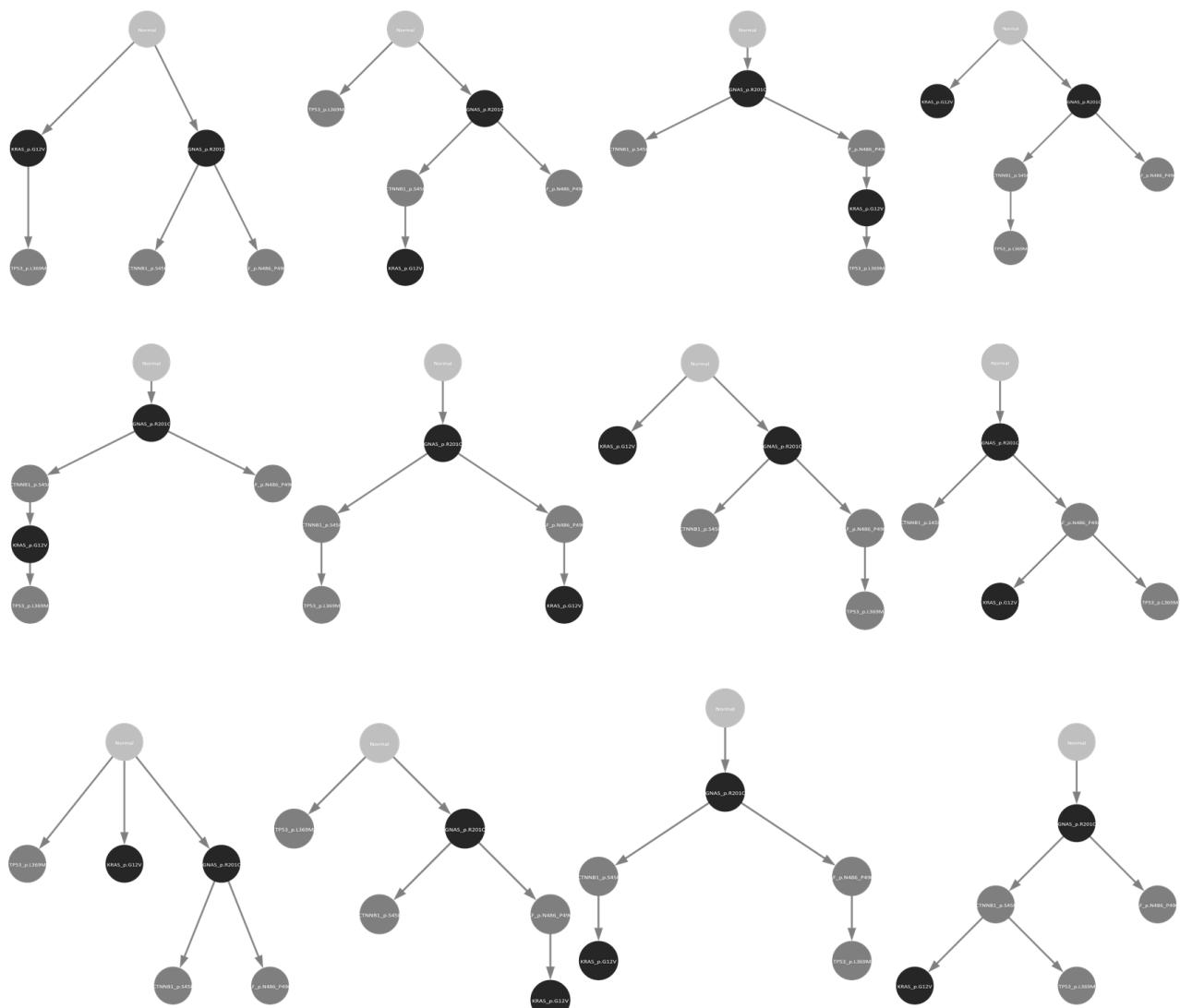
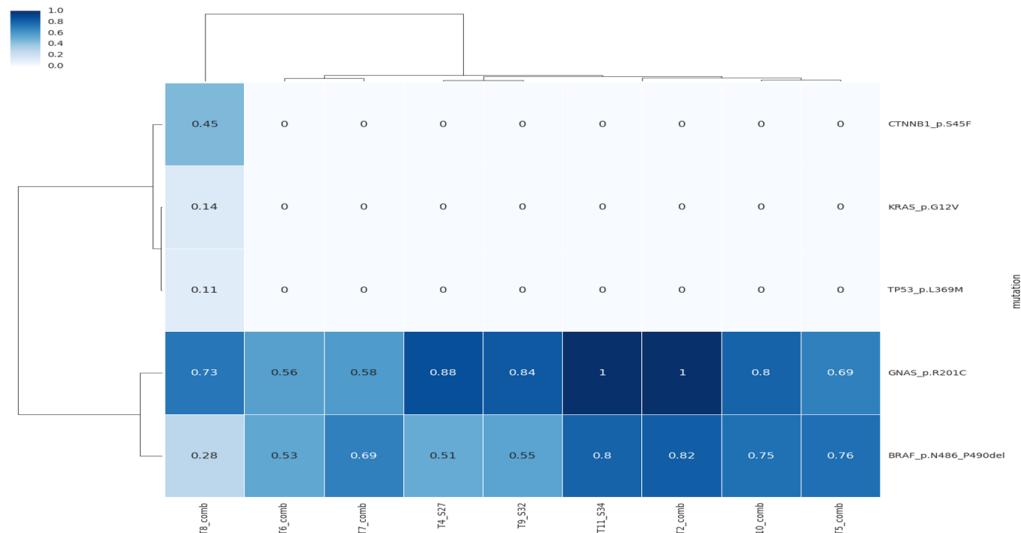
**C**

mutation

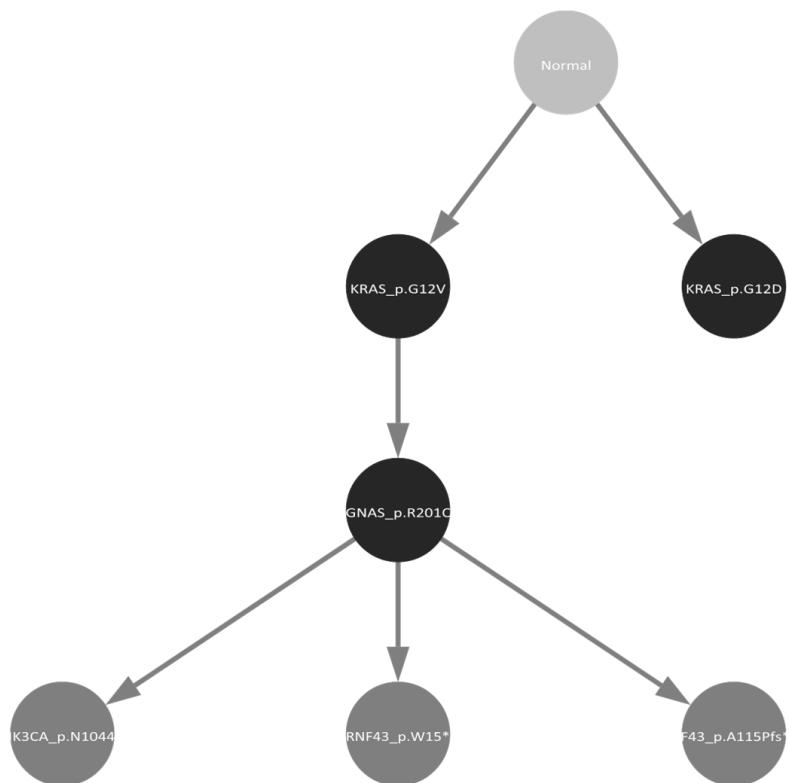
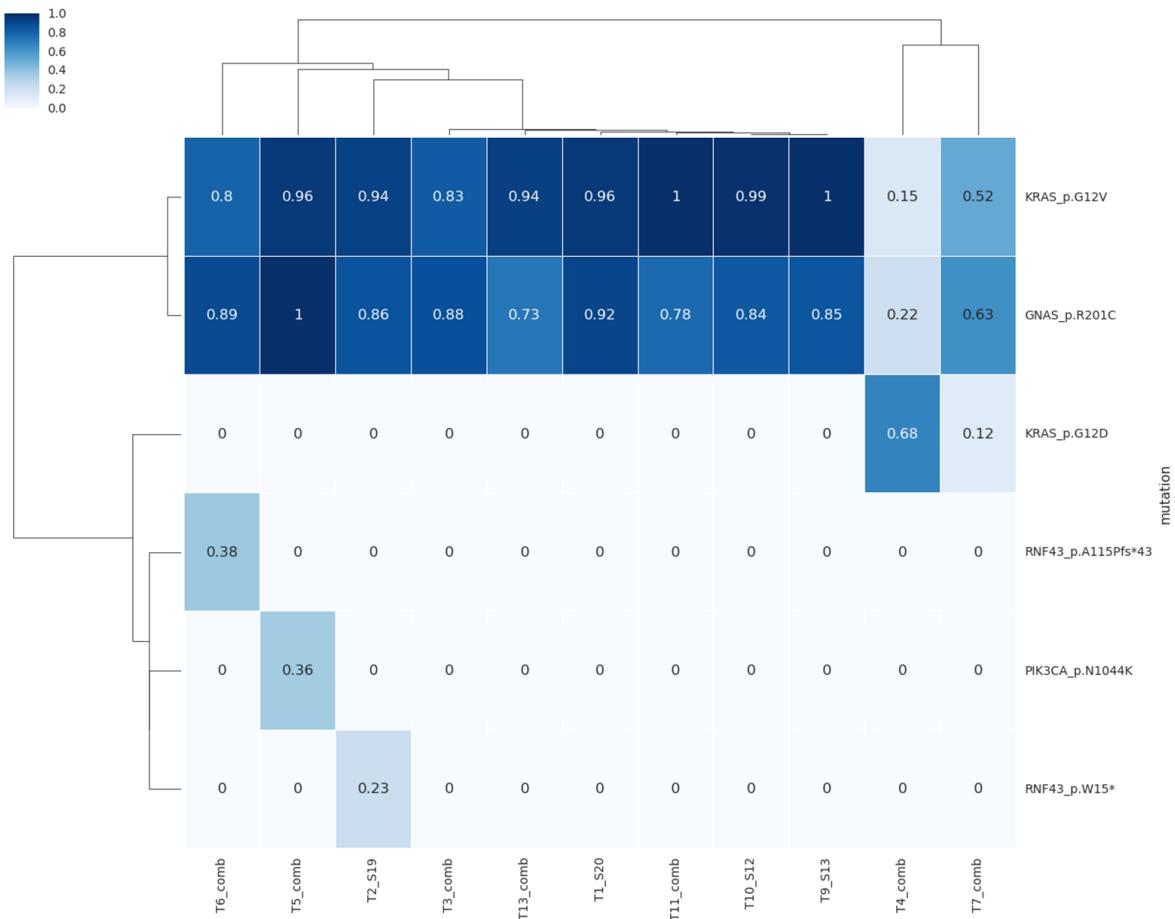


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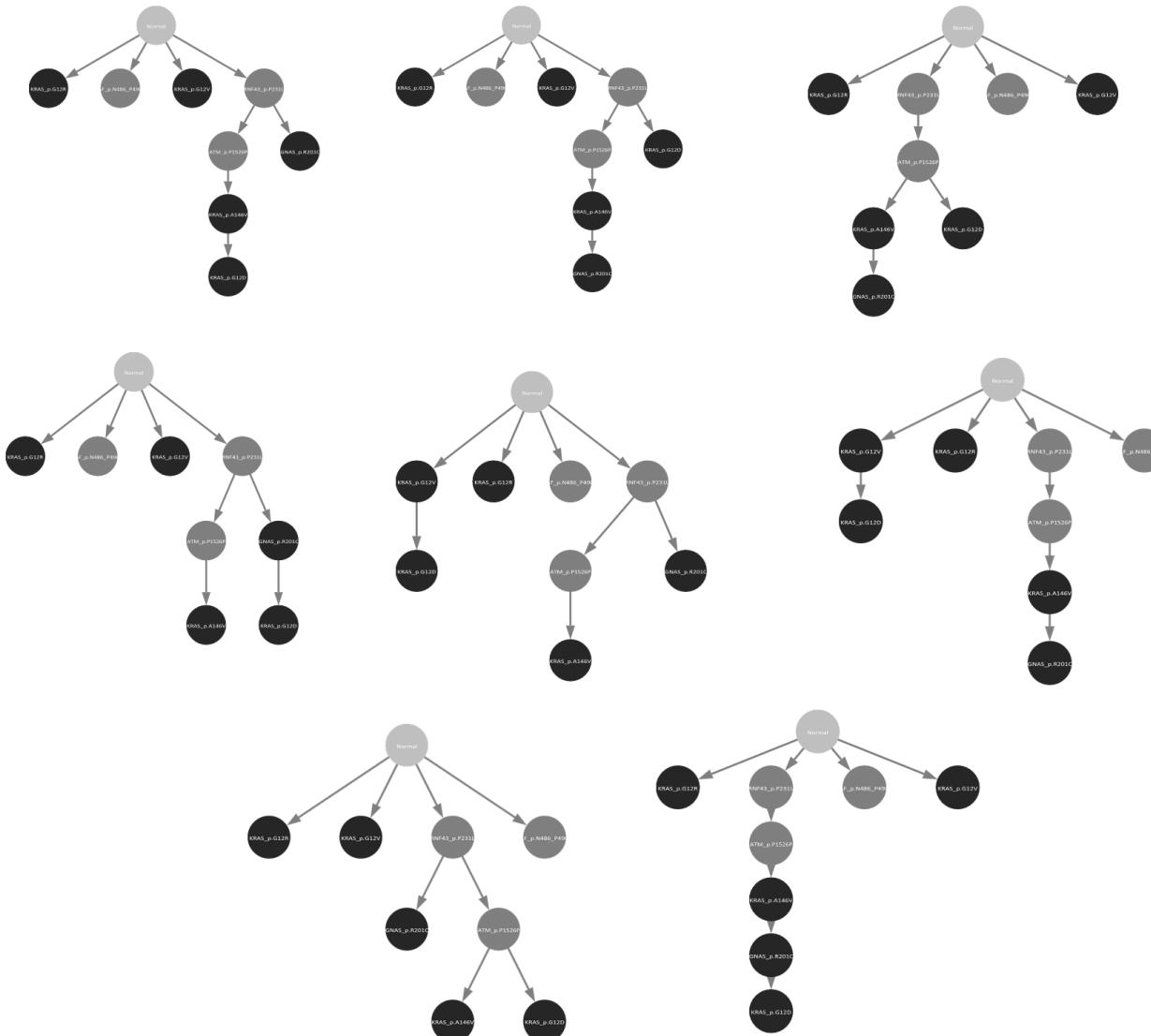
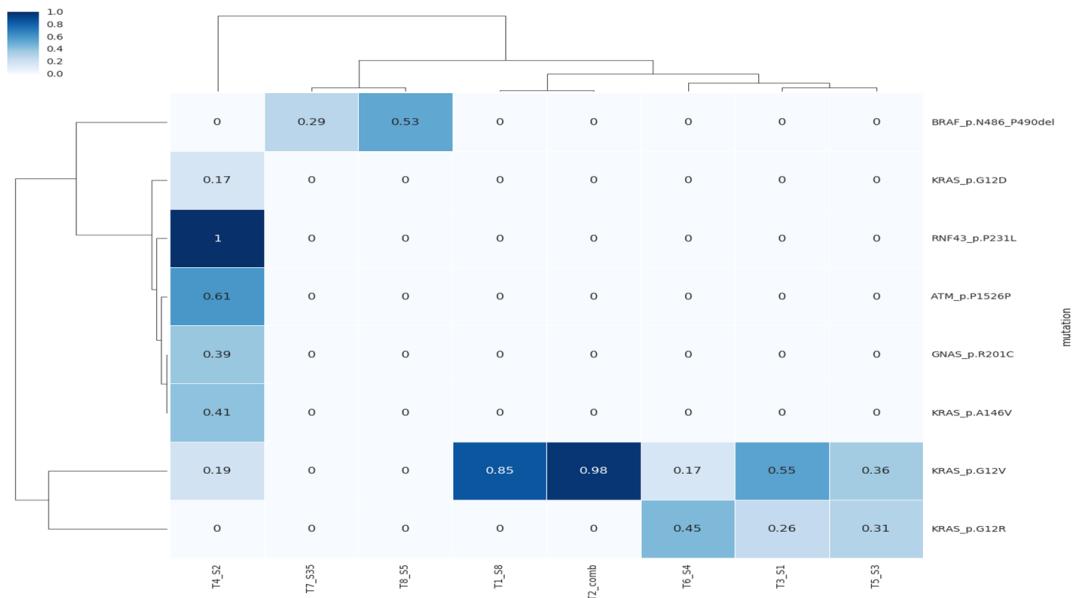
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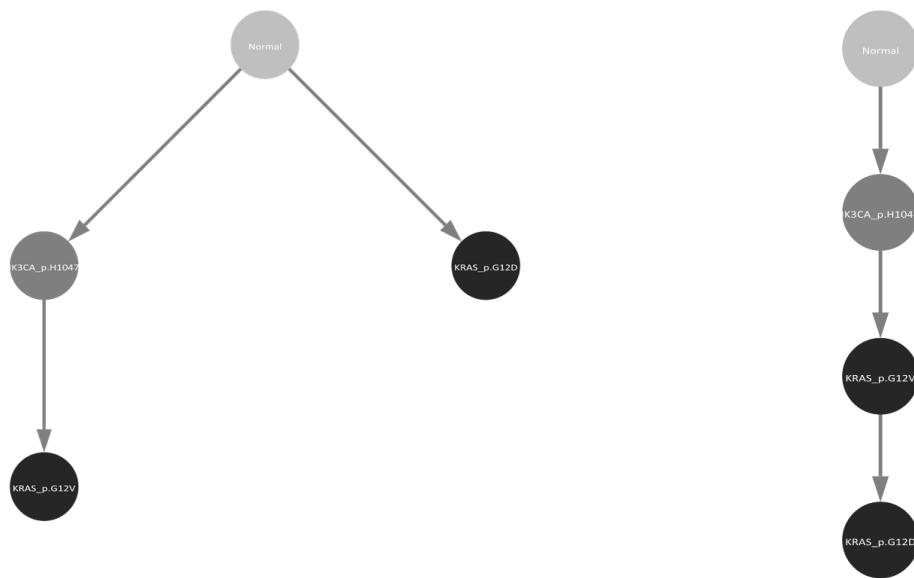
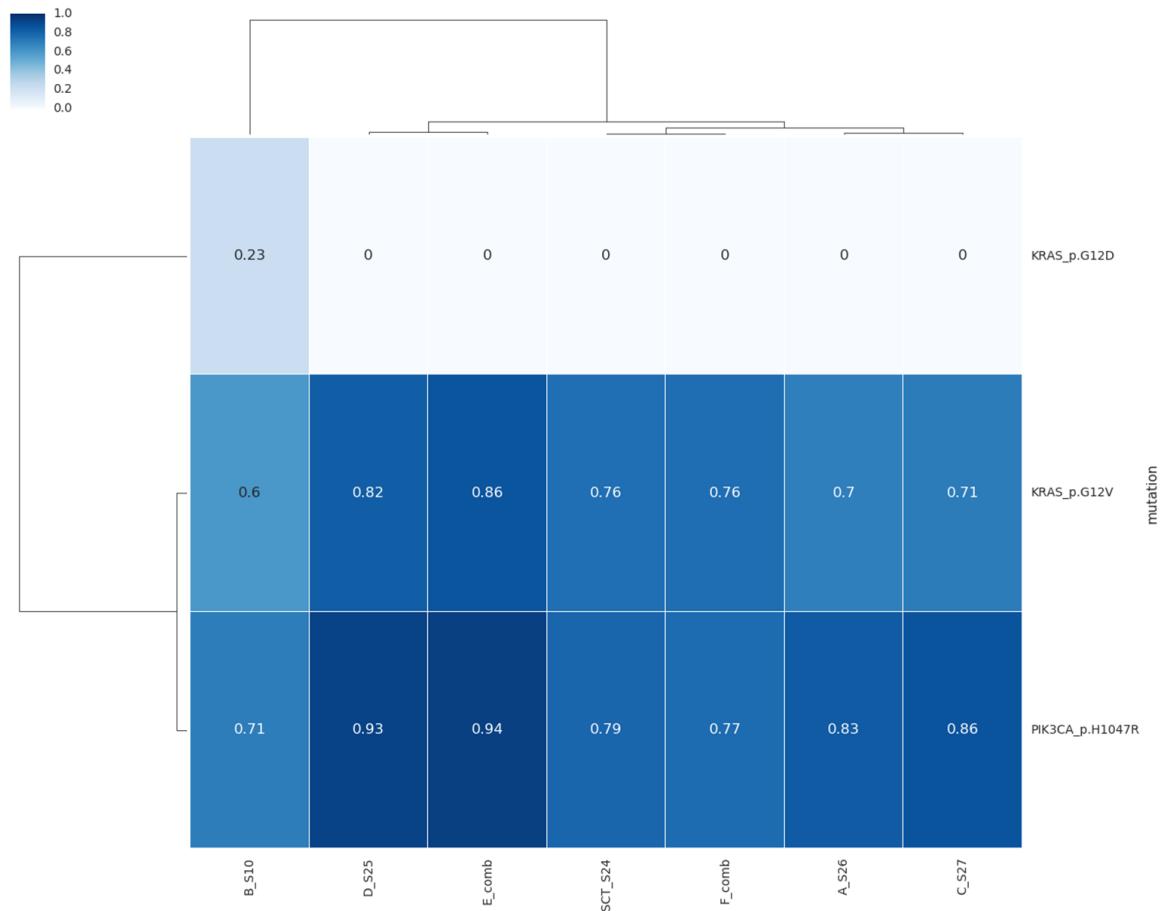


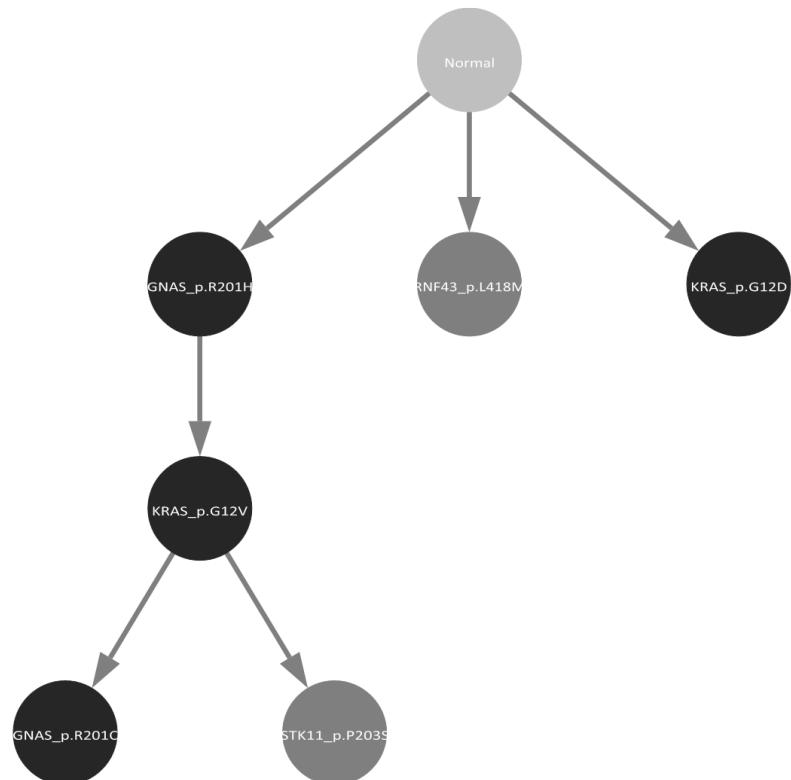
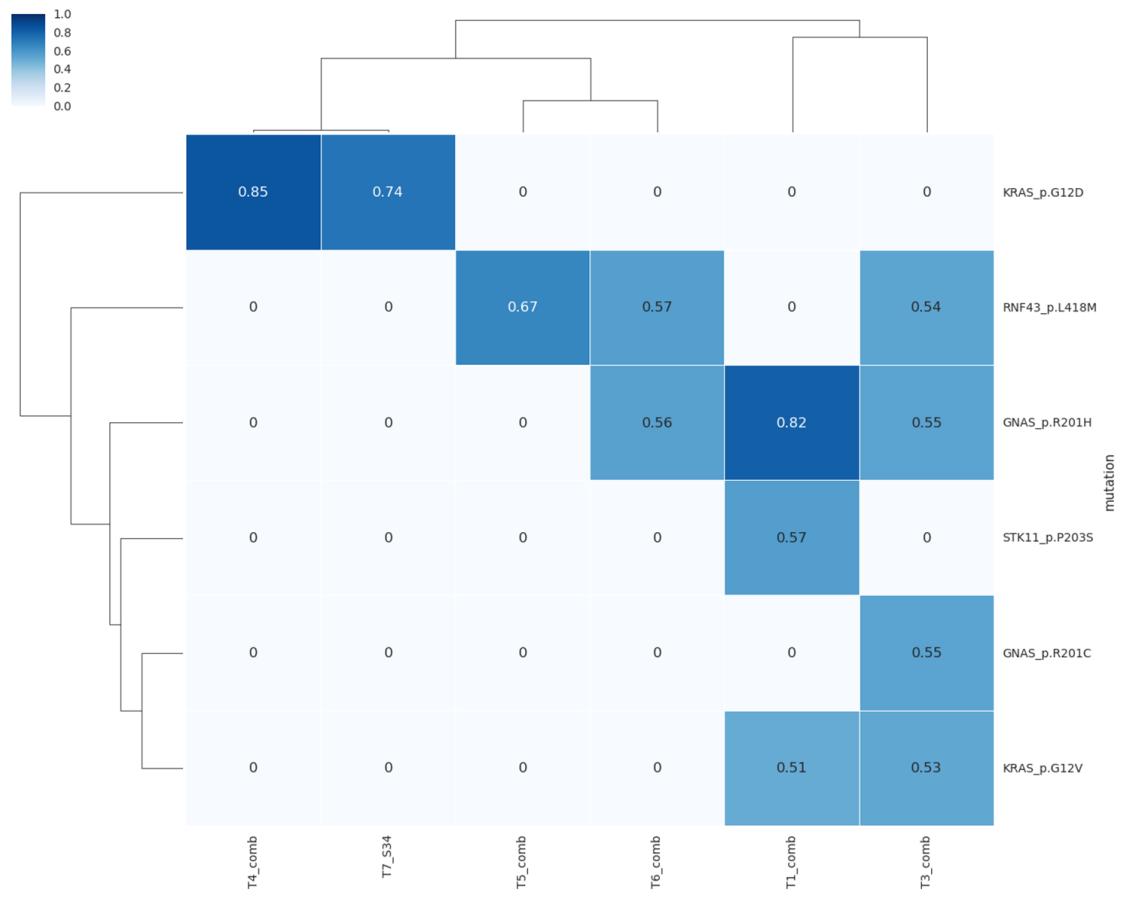
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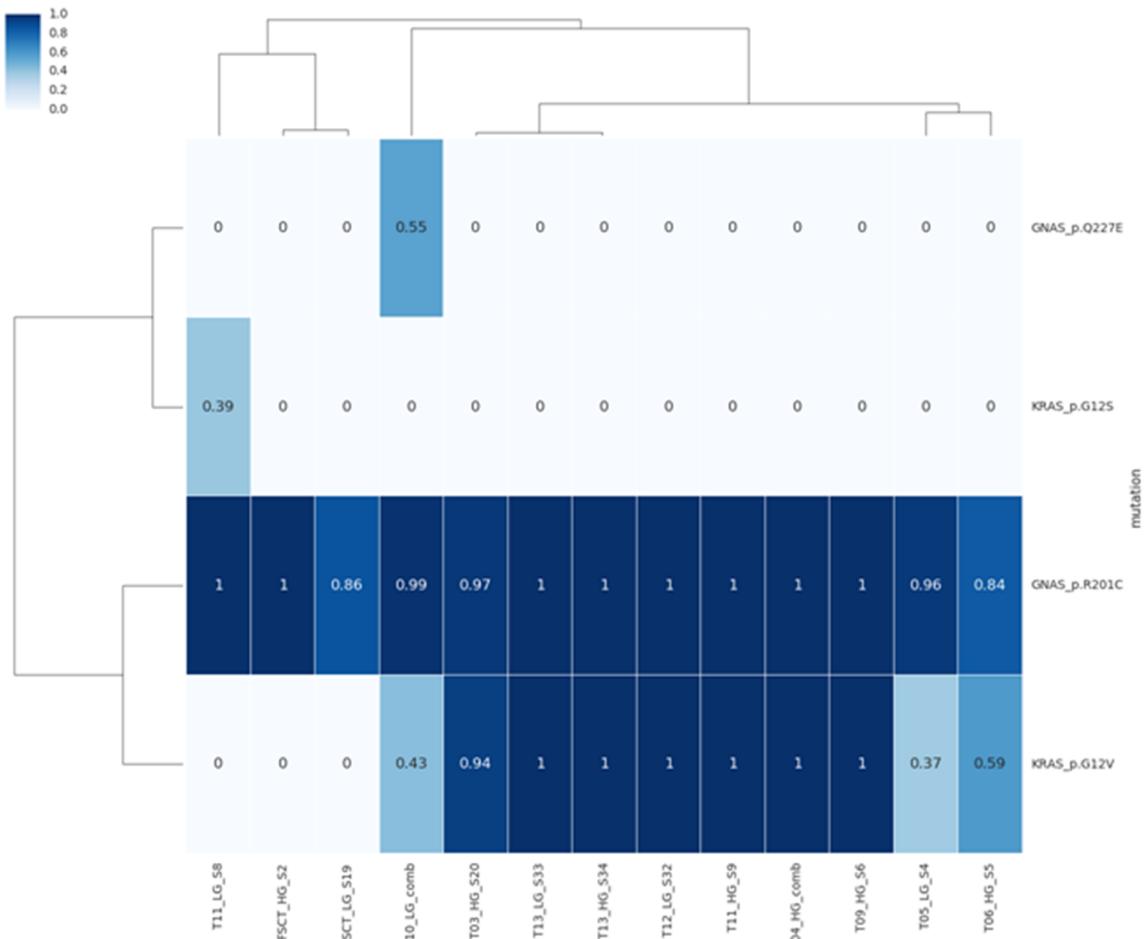


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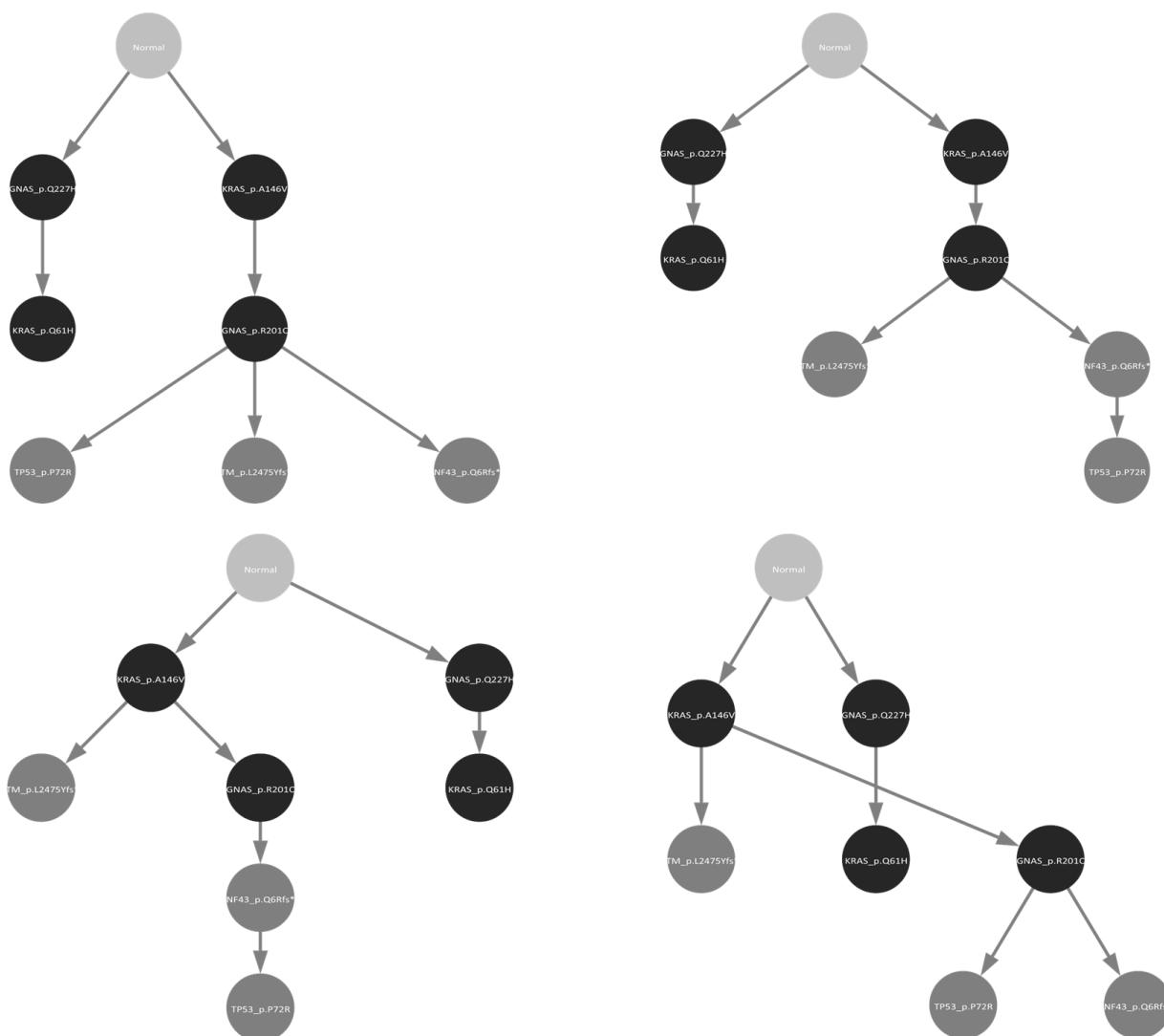
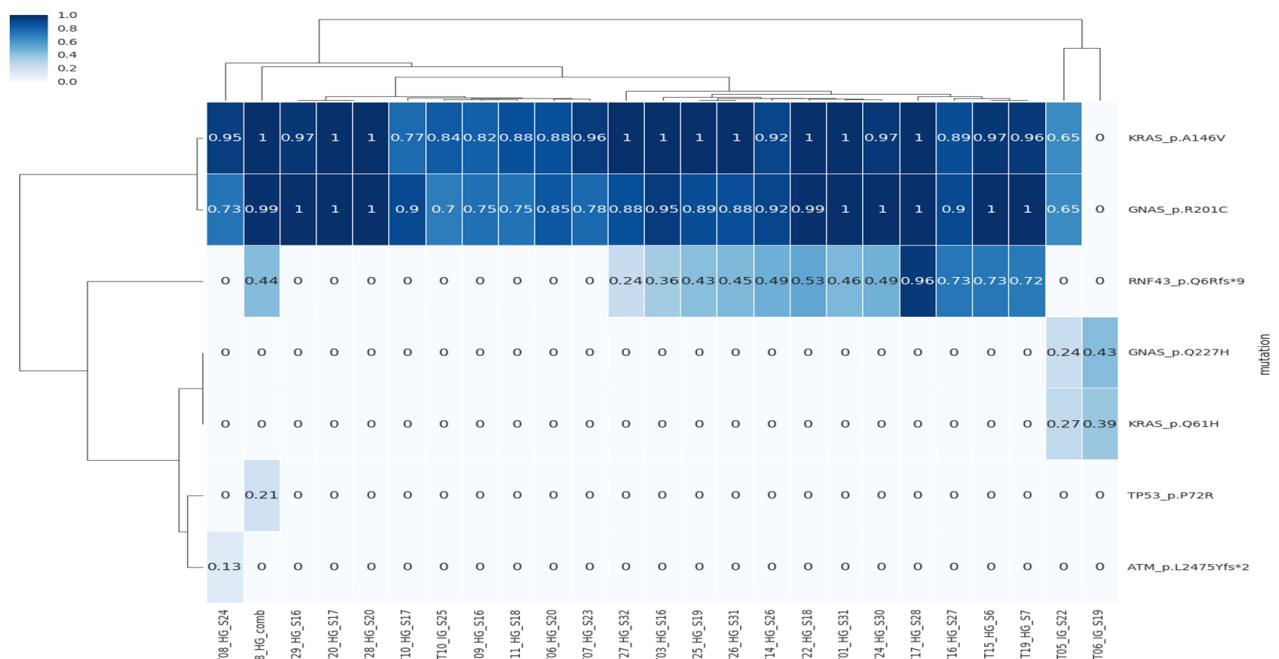


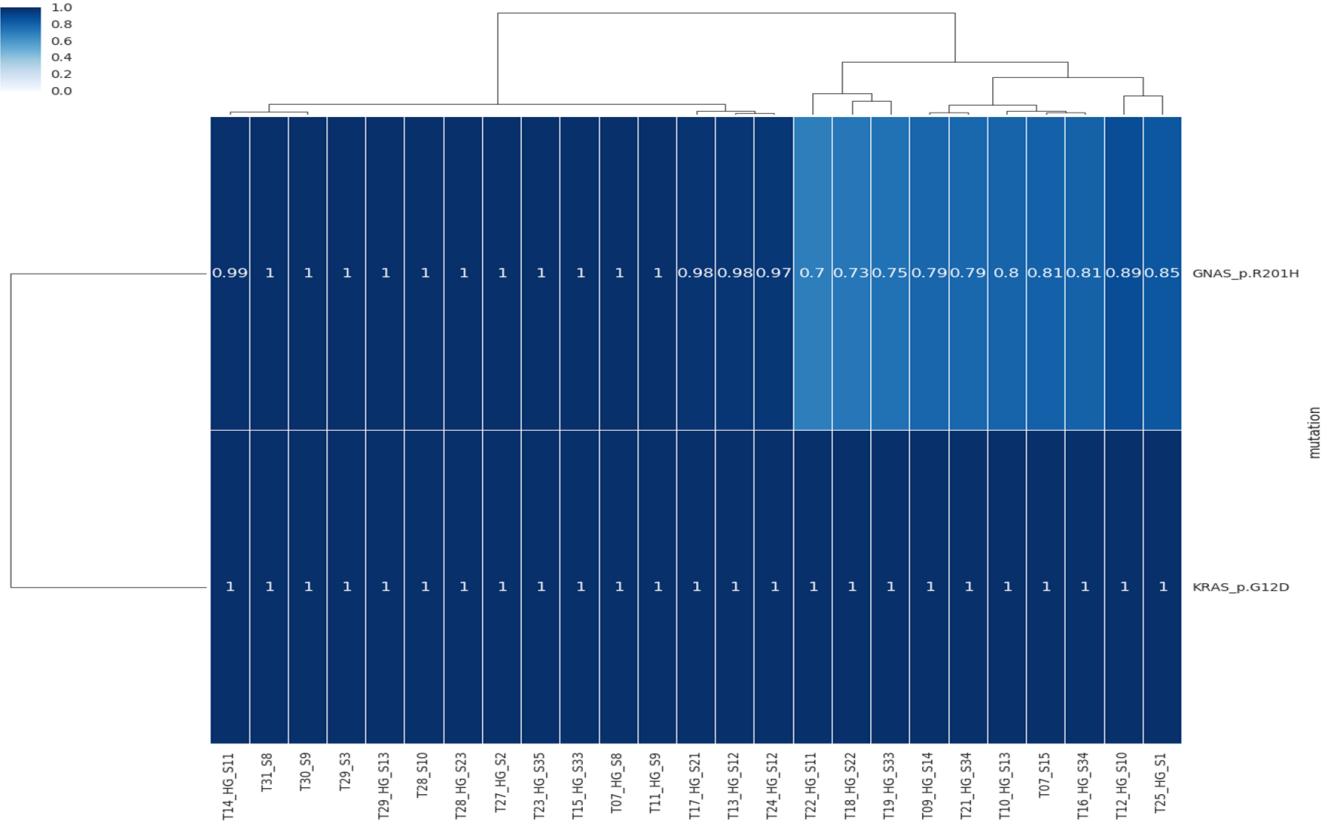
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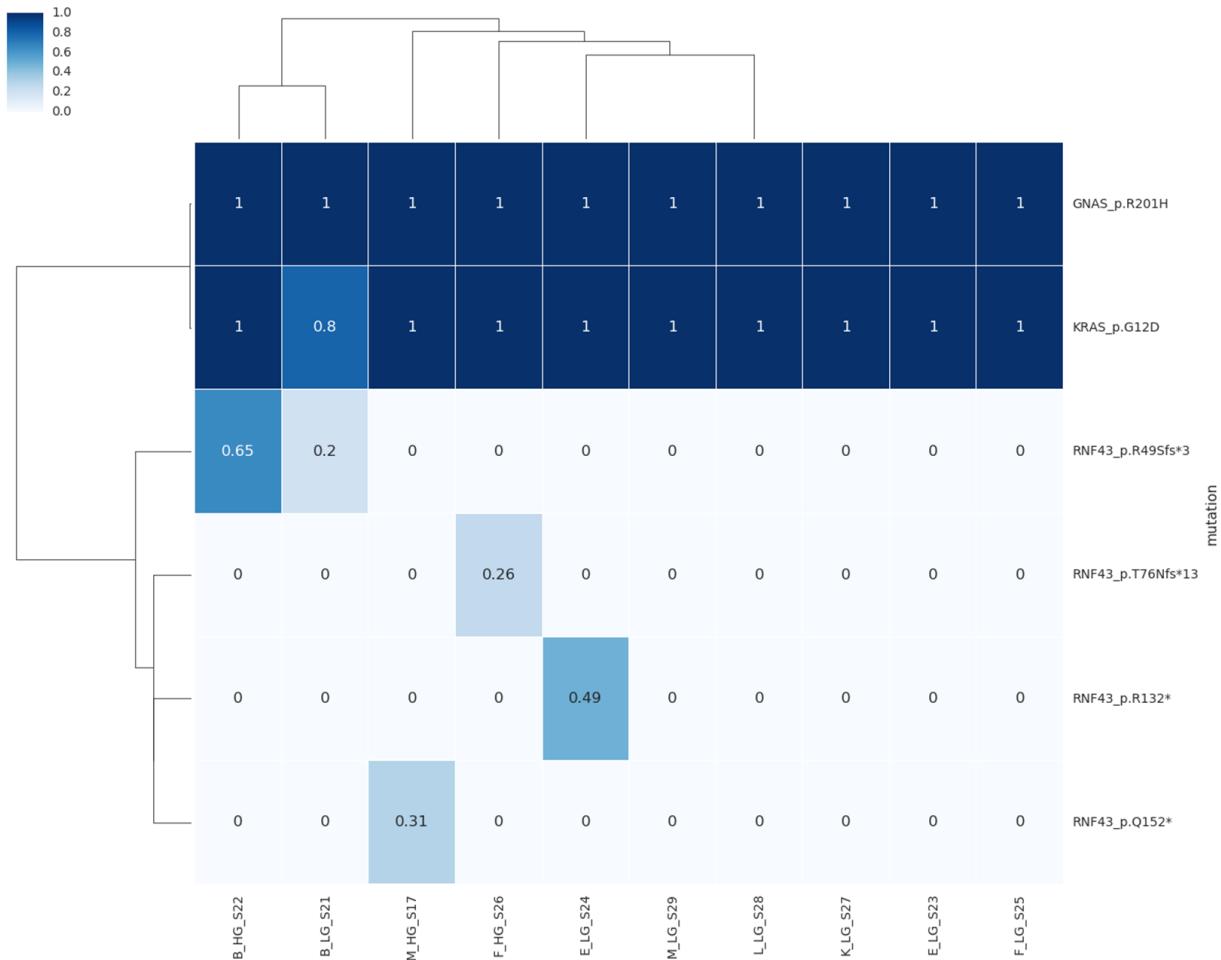


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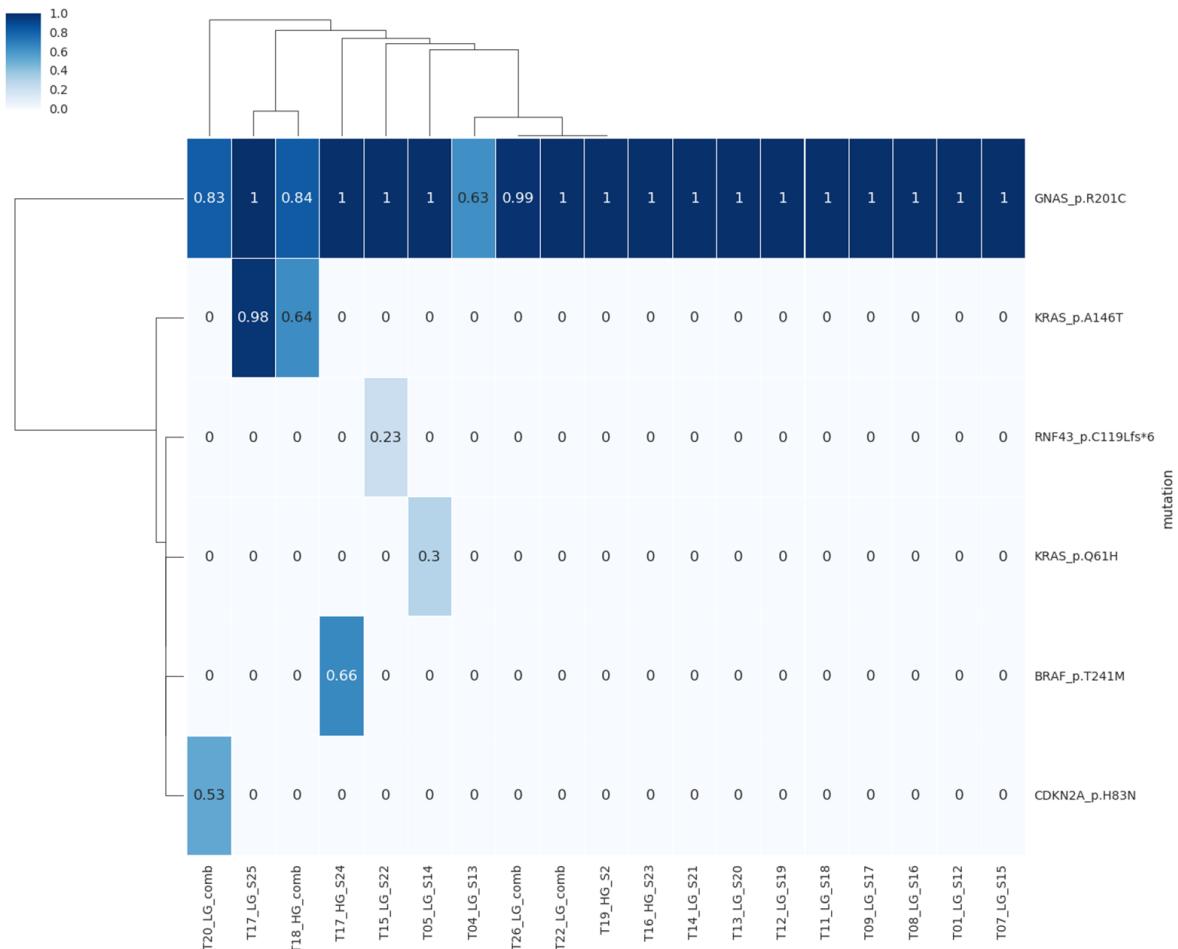
K





**M**

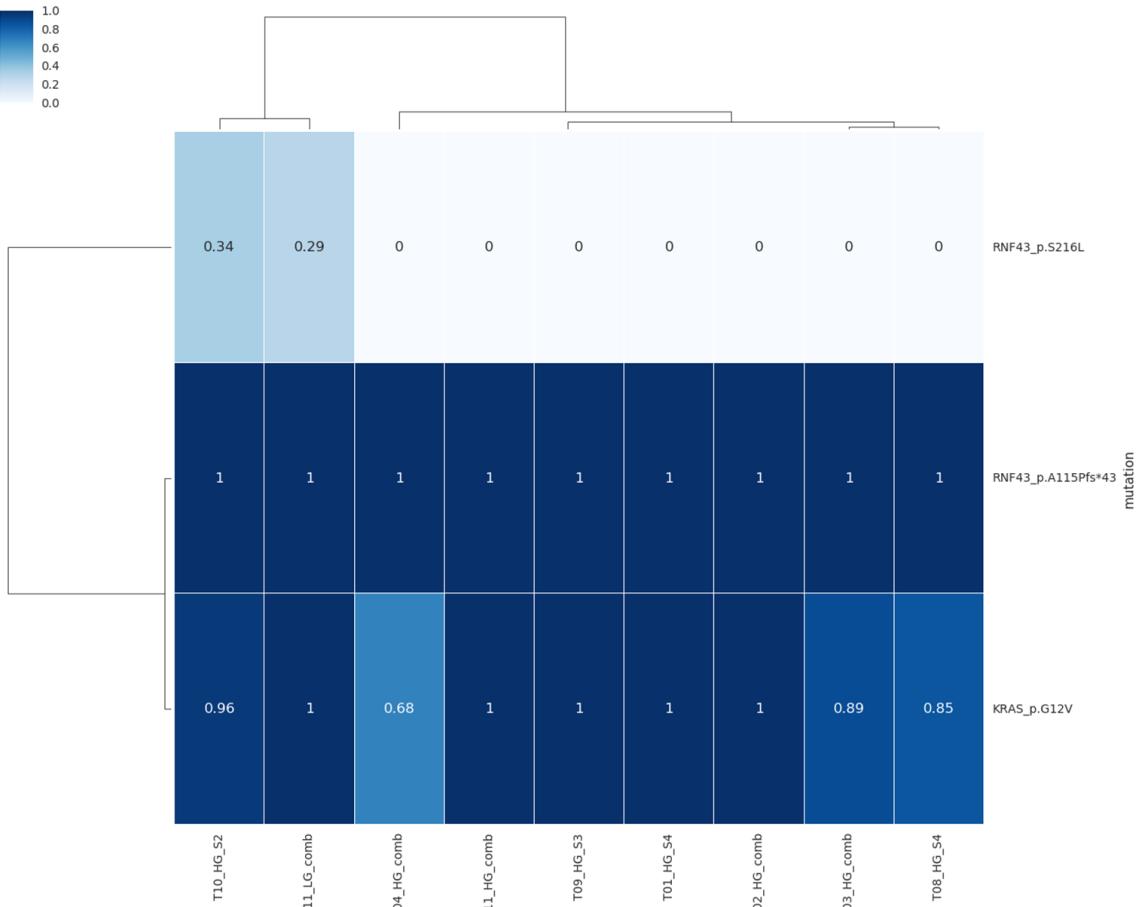
N



mutation



O



**Supplementary Figure S1. Evolutionary tree reconstruction. A-O.** Mutation neoplastic cell fractions (NCFs) are presented in heatmaps with each row representing a mutation and each column representing a sample. Each NCF heat map corresponds to a schematic of tumor evolution – SCHISM was used to reconstruct somatic mutation hierarchy trees. **A.** IPC01 **B.** IPC02 **C.** IPC04 **D.** IPC05 **E.** IPC06 **F.** IPC07 **G.** IPC08 **H.** IPC09 **I.** IPC10 **J.** IPC11 **K.** IPC12 **L.** IPC13 **M.** IPC16 **N.** IPC17 **O.** IPC18